Claims:

1. Pantoprazole multiparticulates having reduced release under gastric conditions and fast release at neutral pH, wherein each of said multiparticulates comprises:

a spheroid core comprising pantoprazole or an enantiomer thereof, or a salt or hydrate thereof, at least one surfactant, at least one distintegrant, and about 1% to about 2% w/w water;

an enteric coat on the core, said enteric coat comprising a copolymer of methacrylic acid and methacrylates in the range of about 15 to about 45 % w/w of the spheroid core; and

wherein said multiparticulates have an average size of about 1mm in diameter.

- 2. The pantoprazole multiparticulates according to claim 1, further comprising a final seal coat on the enteric coat.
- 3. The pantoprazole multiparticulates according to claim 2, wherein the final seal coat comprises about 0.1 to 10 wt% of the multiparticle.
- 4. The pantoprazole multiparticulates according to claim 2 or claim 3, wherein the final seal coat comprises hydroxypropyl methylcellulose (hypromellose).
- 5. The pantoprazole multiparticulates according to any one of claims 1 to, wherein said multiparticulate further comprises an initial seal coat on the core.
- 6. The pantoprazole multiparticulates according to claim 4, wherein said said initial seal coat is in the range of about 2 to 4 % w/w of the weight of the uncoated core multiparticle.

7. The pantoprazole multiparticulates according to claim 4 or claim 5, wherein the initial seal coat comprises hypromellose.

- 8. The pantoprazole multiparticulates according to any one of claims 1 to 7, wherein the surfactant comprises from about 2 to about 7% by weight of the uncoated core.
- 9. The pantoprazole multiparticulates according to any one of claims 1 to 8, wherein the surfactant is a polysorbate.
- 10. The pantoprazole multiparticulates according to claim 9, wherein the polysorbate is polysorbate 80.
- 11. The pantoprazole multiparticulates according to any one of claims 1 to 10, wherein the enteric coat comprises 27.5 to 32.5 % w/w of the multiparticulate.
- 12. The pantoprazole multiparticulates according to claim 1, wherein the enteric coating comprises about 30% w/w of Eudragit L 30 D-55 coating, about 15% w/w talc, about 3% triethyl citrate and a pH adjuster; said amounts being by weight of the microparticulate..
- 13. The pantoprazole multiparticulates according to any one of claims 1 to 12, wherein the pantoprazole compound is present in the range of from about 5 to 50 w/w, of the spheroid core.
- 14. The pantoprazole multiparticulates according to any one of claims 1 to 12, in which the core comprises pantoprazole compound in an amount equivalent to about 40 mg pantoprazole per 100 mg uncoated multiparticulate.
- 15. The pantoprazole multiparticulates according to any one of claims 1 to 15, wherein said spheroid core further comprises a pH adjuster and hypromellose.

16. The pantoprazole multiparticulates according to any of claims 1 to 15, wherein the disintegrant is selected from the group consisting of microcrystalline cellulose and crospovidone, and mixtures thereof.

- 17. The pantoprazole multiparticulates according to claim 16, wherein the microcrystalline cellulose comprises about 25 to about 30% by weight of the core.
- 18. The pantoprazole multiparticulates according to claim 16 or claim 17, wherein the crospovidone comprises about 14 to about 16% by weight of the core.
- 19. The pantoprazole multiparticulates according to claim 1, wherein the spheroid core consists essentially of:

pantoprazole sodium sesquihydrate	45 % w/w
microcrystalline cellulose	27 % w/w
polysorbate 80	5 % w/w
crospovidone	15 % w/w
hypromellose 2208	1 % w/w and
sodium carbonate	7 % w/w.

- 20. A pantoprazole formulation for use in dosing to pediatric patients, said formulation comprising a suspension comprising the pantoprazole multiparticulates of any one of Claims 1 to 19 and a physiologically compatible suspending liquid.
- 21. A capsule comprising the pantoprazole multiparticulates of any one of Claims 1 to 19.
- 22. A foil packet comprising the pantoprazole multiparticulates of any one of Claims 1 to 19.

23. A method of treating humans in need of pantoprazole, said method comprising the step of administering an effective dose of the pantoprazole multiparticulates of any one of Claims 1 to 19.

24. A method of producing a multiparticle formulation of pantoprazole, said method comprising the steps of:

producing a spheroid core comprising panto prazole or an entantiomer thereof, or a salt thereof, a surfactant, a distintegrant, via extrusion and spheronization, said core containing about 1 to about 2% w/w water;

applying an initial seal coat to the spheroid core, said seal coat being about 1 % w/w to about 20 % w/w of the multiparticulate;

applying an enteric coating over the initial seal coat, said enteric coating comprising a copolymer of methacrylic acid and methacrylates in an amount that provides the multiparticulate with 15 to 45 % w/w dry enteric coating polymer; and

optionally applying a final seal coat to the erriteric-coated spheroid core, said final seal coat being about 1 wt% of the multiparticulate;

wherein said multiparticulates have an average size of no greater than about 1mm in diameter.

- 25. The method according to claim 24, wherein the spheroid core is prepared by mixing the ingredients in a low shear mixer at 1ow shear conditions at a range of about 25 rpm to 35 rpm.
- 26. The method according to claim 25, wherein the low shear conditions are 32 rpm.
- 27. The method according to claim 25 or claim 26, wherein the spheroid cores are dried at a low temperature not exceeding about 40°C for a period of 8 to 72 hours to a percent (%) loss-on-drying (LOD) of 3.4% to 4.3%.

28. The method according to claim 24, further comprising the step of applying an layer of talc in an amount of 0.05% w/w to 0.1% w/w of the multiparticulate.

- 29. The method according to claim 24, wherein the enteric coating is sprayed as a suspension onto the spheroid core.
- 30. Use of pantoprazole multiparticulates according to any of claims 1 to 19 in preparing a medicament.